MITRE

# Web Enabling the Air Force:
# The Air Force Portal

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**October 12, 2000**

# Overview

- **Commercial Portals**
- **AF Portal**
- **CORONA Portal**
- **EII Portal**
- **Next Generation Portals**

# Commercial Portals - What Are They?

***A single integrated point of comprehensive, ubiquitous and useful access to information (data), applications and people.***

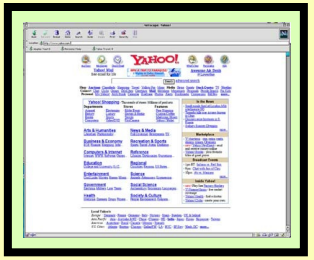
- ***Access to Applications***
- ***Collaboration Services***
- ***Information Services***
- ***Integration Services***
- ***Management Services***
- ***Presentation Services***
- ***Personalization Services***
- ***Speech and Translation Services***

***Ref: IBM e-Business Solutions***

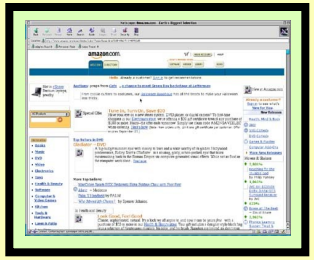
# Commercial Portals - What Are They?

- **First Generation Portals**
  - Enterprise-wide access to information
  - Focus on functional areas (i.e.: Finance, Personnel, . . .)
- **Internet Portals**
  - One-stop shopping
  - Personalized views
  - Flexible navigation

*aol.com*

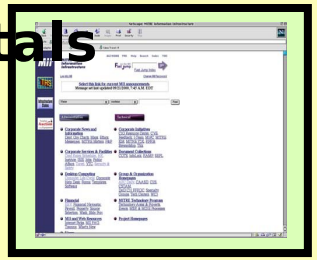



*yahoo.com*




*amazon.com*

- **Horizontal Enterprise Portals**
  - Broad range of applications, information and services



*MII*

*W3.ibm.com*

*AFMC*

- **Vertical Enterprise Portals**
  - Focused applications, information and services for specific functional areas

*AFC Daily*

*CORONA*

# Commercial Portals - How Are They Used?

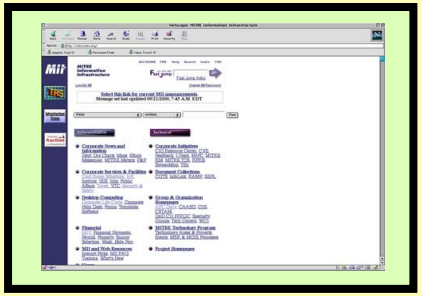
- **Business to Business (B2B)**
  - Commercial transactions
  - Inter-company workflow management
  - Supply chain integration

*Fedex.com*

- **Business to Consumer (B2C)**
  - Advertising
  - Customer care and support
  - Financial Transactions
  - Personalized delivery of content

*llbean.com*

- **Business to Employee (B2E)**
  - One interface for all applications and services
  - Relevant, up-to-date information to employees anytime, anywhere



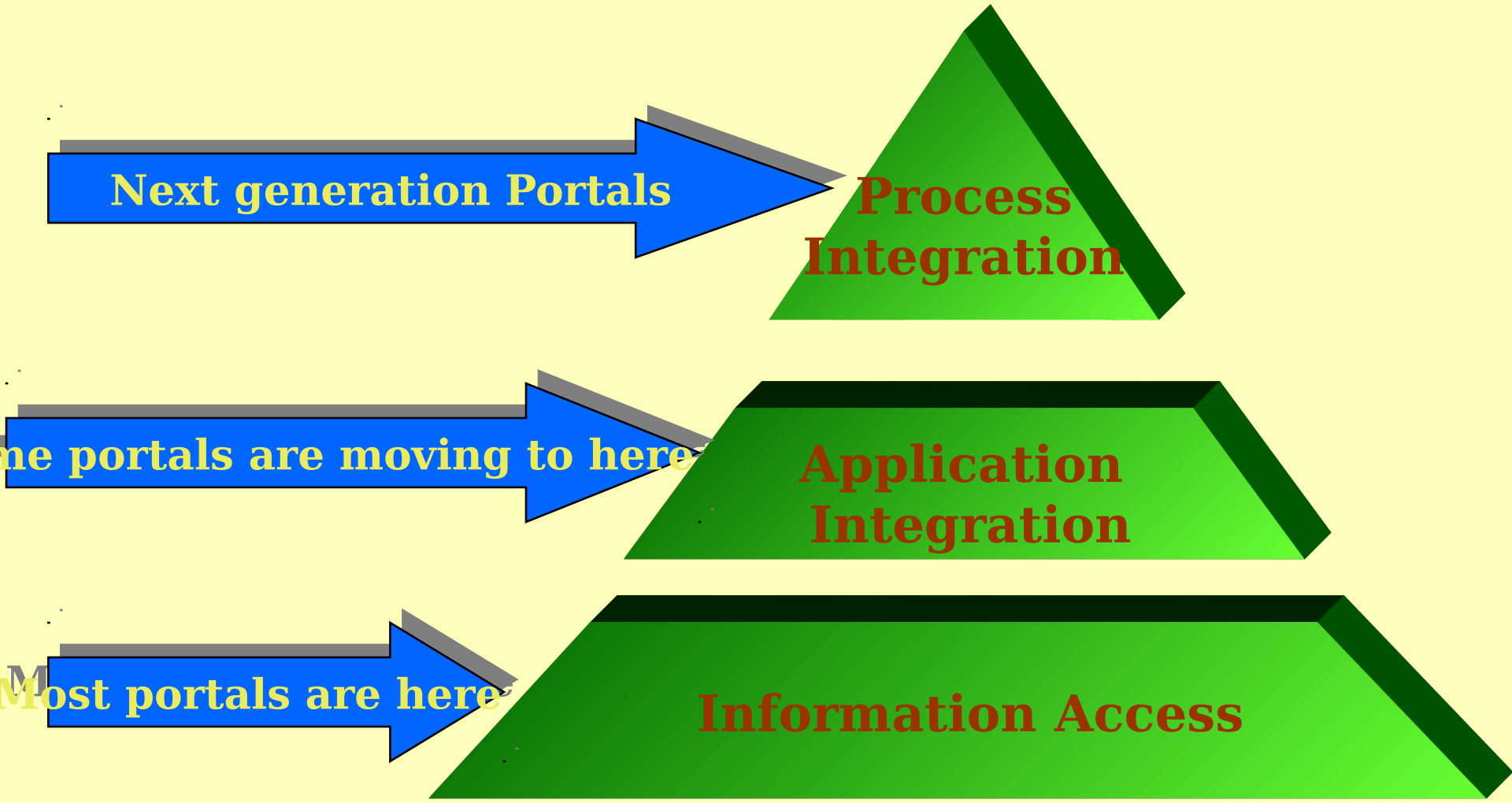

*MII*

# Commercial Portals – Why Deploy Them?

- **Major Benefits**
  - **Unified, timely access to business information**
  - **Improved communications**
  - **Improved customer relations**
  - **Security**

- **Most Important Requirements**
  - **Search and categorization**
  - **Web hosting of applications**
  - **Consistent interfaces for all applications**
  - **Web access to data warehouses**
  - **Personalized delivery of content and applications**
  - **Collaboration services**
  - **Customization of Web interface by end-user**

# Commercial Portals – Where Are They Going?






*Ref: Gartner Group*

# Air Force Portal -Vision

***vide a secure, platform-independent, single point log***
***rowser-based point of access to the right information***
***right time, and in the format required, from any loca***
***ased on individual roles, interests, behaviors and use***

***Initial content will include:***

- ***AF White Pages***
- ***Syndicated content***

  ***AF News, Early Bird, Weather, CNN, Local News, Base News***
- ***Interface with legacy applications***

  ***CAMS, SBSS, CMOS, WSMIS, SCS, AFEMS***
- ***Self-serve applications - Links to existing sites***

  ***AF Pubs and Forms, CBT, DFAS, vMPF***
- ***Search of AF Web content - NIPRNET and Public***
- ***Calendar and E-Mail (Stretch Goals)***

# Air Force Portal -The Way Ahead

- **Demo AF Portal will be highlighted at Fall CORONA**
  - **Based on IL Portal**
  - **Deployed to 20,000 AF users**
  - **Not compatible with Combat Support (GCSS-AF) Integration Framework**
  - **Basis for operational assessment**

- **AF Portal will be deployed in 3 months thereafter (December 2000)**
  - **Utilizes best features of IL and EII Portals**
  - **Planned for 130,000 AF users (initially)**
  - **Built upon Combat Support (GCSS-AF) Integration Framework**
  - **Based on CONOPS for AF Information Enterprise**

- **AF Portal will be refined and scaled to all AF users in subsequent spirals during FY01 and beyond**

# CORONA Portal - An Example

- **Vertical IL Portal prototype chosen as the Demo AF Portal for Fall CORONA**
- **Horizontal Portal with Vertical IL functional "portlet"**
- **Provides selected Enterprise-wide services:**
  - **Secure, browser-based, platform-independent access, anytime, anywhere**
  - **Single sign-on with role-based access**
  - **Single access point to integrated IL functional data**
  - **Browser-based access to all AF personnel and authorized contractors**
- **Deploy to 20,000 AF users for operational assessment**

# CORONA Portal - Multiple Views

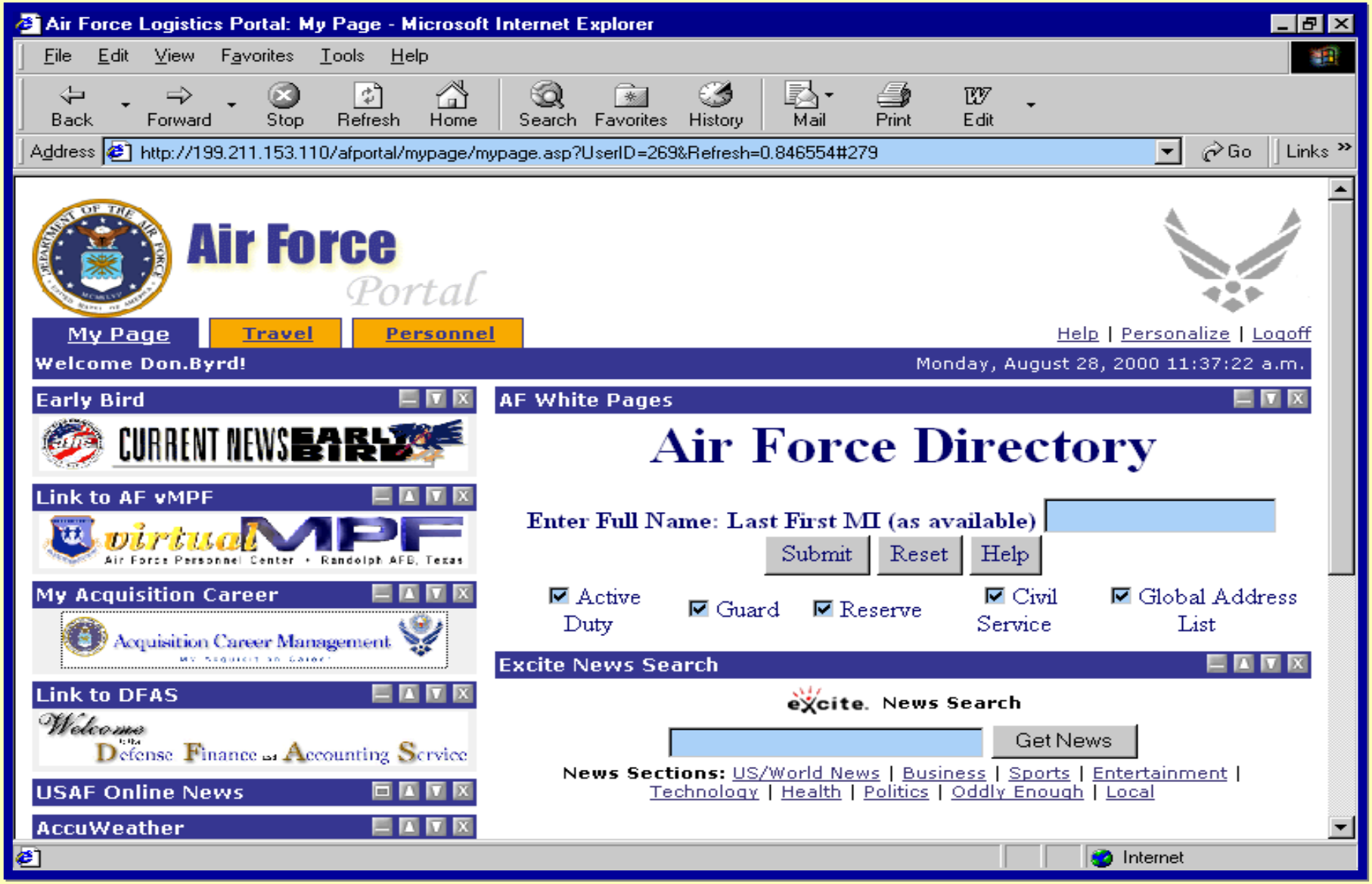
- **General AF View:**
  - ***AF White Pages***
  - ***Syndicated content: AF News, Early Bird, Weather, CNN, Local News, Base News***
  - ***Self-serve applications - Links to Existing Sites: AF Pubs and Forms, CBT, DFAS, vMPF***
  - ***Search of AF Web content - NIPRNET and Public***
  - ***Calendar and E-Mail (demonstration only)***
- **IL View:** ***Includes general AF view capabilities, plus***
  - ***Static queries into legacy applications: CAMS, SBSS, CMOS, WSMIS, SCS, AFEMS***
  - ***Real-time look into legacy systems without affecting or upgrading those systems***
- **AFORMS View:** ***Includes general AF view capabilities, plus***
  - ***AFORMS capabilities based on login access; i.e., administrator, MAJCOM commander, etc.***

# CORONA Portal - Team

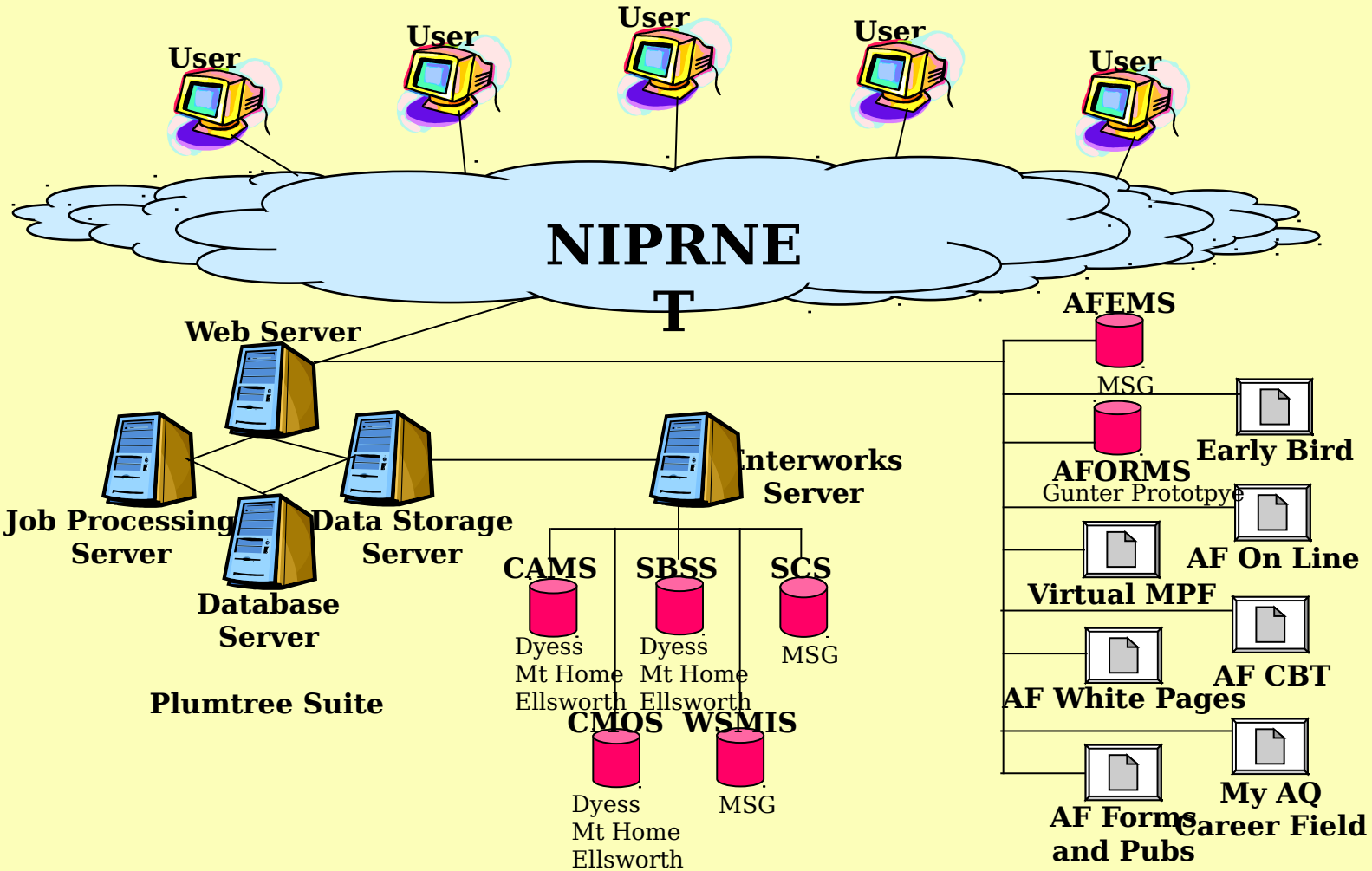
- **Lead: MITRE / Gunter AFB**

- **Contractor team:**
  - **Sytel: Integrator and lead contractor**
  - **Plumtree: Portal front end**
  - **Enterworks: Virtual database**

# CORONA Portal



# CORONA Portal - Architecture



# EII Portal - An Example

- **Horizontal Portal for AFMC Enterprise by MITRE**

- **Provides broad range of Enterprise-wide services**
  - **Applications**
  - **Calendar**
  - **Chat Rooms**
  - **Current News**
  - **Directory**
  - **Document Repository**
  - **e-Mail**
  - **Related Links**
  - **Single sign-on**
  - **Workflow Management**

- **Pilot EII portal to 1000 users in Fall 00**
  - **Designed to scale to AFMC Enterprise of over 100,000 Users**

# EII Portal - Team

- **AFMC Lead: MITRE / WPAFB**
- **Development Lead / Portal Architecture: MITRE / Bedford**
- **Information Architecture: MITRE / Bedford**
- **Development Team: MITRE / Bedford**
- **Integration Team: MITRE / Bedford**

# EII Portal - Major Goals

- **Design a scalable back-office architecture**
- **Define standards-based technical solution**
- **Design service-centric plug-in architecture**
- **Develop AFMC portal services to test design and solution**
- **Integration with existing infrastructure, test scalability, reliability, fail-over, usability**
- **Pilot AFMC portal to 1000 users in Fall 00**

***IMAP XML XSL iCAL***

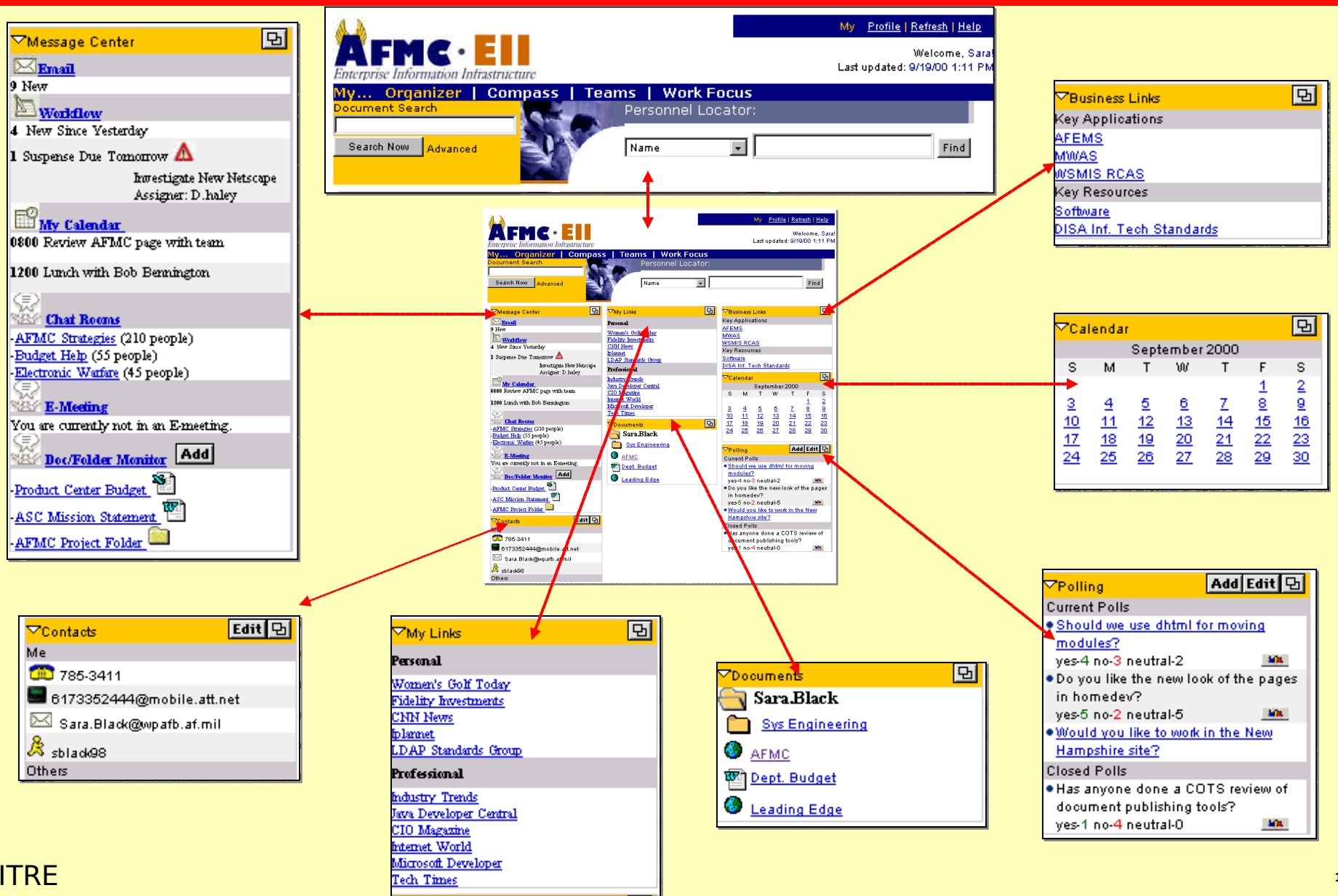
***LDAP RSS WAP JSP J2EE***

**A standards-based approach provides a flexible plug-in component architecture resulting in best-of-breed integration of portal services!**

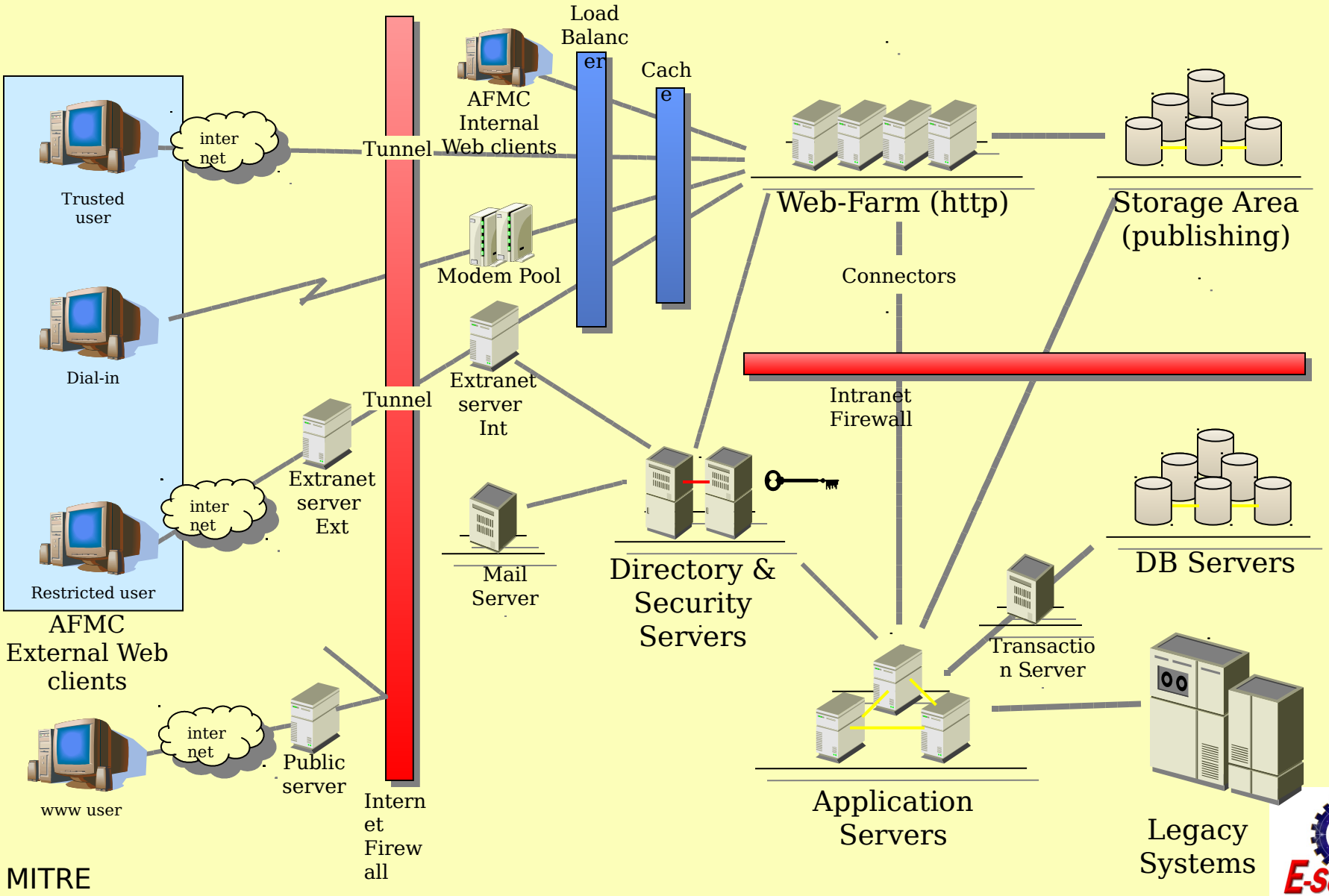
# Other Portals Using/Considering Framework

- **AFC Daily (next generation)**
- **C2 Portal**
- **CIO Portal**
- **CS Business Management Portal**
- **D510 Development Portal**
- **ESC Portal**
- **General Officer Portal**
- **MII Customization**

# EII Portal


Message Center
Email
9 New
Workflow
4 New Since Yesterday
1 Suspense Due Tomorrow
Investigate New Netscape
Assigner: D.haley
My Calendar
0800 Review AFMC page with team
1200 Lunch with Bob Bennington
Chat Rooms
-AFMC Strategies (210 people)
-Budget Help (55 people)
-Electronic Warfare (45 people)
E-Meeting
You are currently not in an E-meeting.
Doc/Folder Monitor
Add
-Product Center Budget
-ASC Mission Statement
-AFMC Project Folder
AFMC · EII
Enterprise Information Infrastructure
My Profile | Refresh | Help
Welcome, Sara
Last updated: 9/19/00 1:11 PM
My... Organizer | Compass | Teams | Work Focus
Document Search
Search Now
Advanced
Personnel Locator:
Name
Find
Business Links
Key Applications
AFEMS
MWAS
WSMIS RCAS
Key Resources
Software
DISA Inf. Tech Standards
Calendar
September 2000
S M T W T F S
1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
Contacts
Edit
Me
785-3411
6173352444@mobile.att.net
Sara.Black@wpafb.af.mil
sblack98
Others
My Links
Personal
Women's Golf Today
Fidelity Investments
CNN News
planet
LDAP Standards Group
Professional
Industry Trends
Java Developer Central
CIO Magazine
Internet World
Microsoft Developer
Tech Times
Documents
Sara.Black
Sys Engineering
AFMC
Dept. Budget
Leading Edge
Polling
Add
Edit
Current Polls
Should we use dhtml for moving modules?
yes-4 no-3 neutral-2
Do you like the new look of the pages in homedev?
yes-5 no-2 neutral-5
Would you like to work in the New Hampshire site?
Closed Polls
Has anyone done a COTS review of document publishing tools?
yes-1 no-4 neutral-0

# EII Architecture



# Next Generation Portals

- **Integrated Workflow Management**
- **Knowledge Management**
- **Mobile User Support**
- **Multimedia Support *(e.g.: Speech, Multimedia, . . .)***
- **Portal Interoperability Standards**
- **Wireless Appliance Support**

# Next Generation Portals - An Example:

PEP'r

- **PEPr: Propose Evaluate Present and Respond System**
  - **Tracks any propose/response process**
  - **Generates PEPr Plants (portal) of real time statistics and result summaries**
  - **Supports multiple interfaces… email, Outlook forms, PEP'r Web**
  - **Reminds non-respondents**
  - **Supports user profiles… "your schedule" and "your delivery preference"**

# Application: Weekly Task Status Request

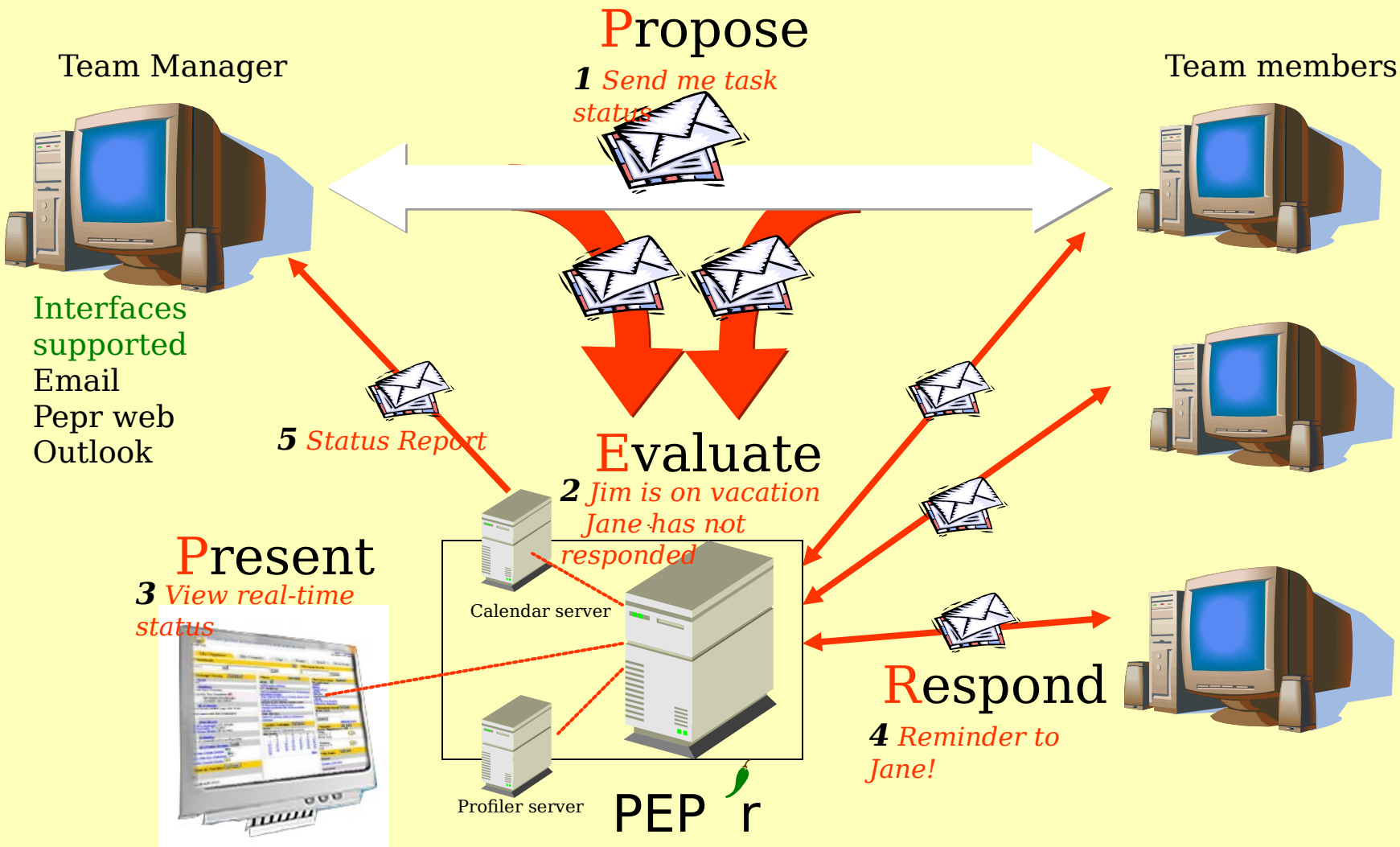
## *Current Process*

- Send out e-mail to Team Leaders
  - Request task status
  - Request responses in one week
- Gather e-mail replies until response date
  - Did everyone respond? Check against original list
  - Send out e-mail to non-respondents asking why!
    - Gather results… again! Reply if necessary
- Collate inputs
- Publish weekly project

## *PEPr Process*

- Send out e-mail to Team Leaders, cc PEPr
  - Define Due Date
- Team Leaders cc PEP'r on response
- PEPr in action:
  - PEPr connects to back-end calendaring system to check Team Leader availability to respond
  - PEPr looks up Team Leader profiles to determine additional delivery mechanisms
  - Pages are created showing real-time response statistics and merged reports
  - On due date… PEPr sends

# PEPr System


Propose
1 Send me task status
Team Manager
Team members
Interfaces supported
Email
Pepr web
Outlook
5 Status Report
Evaluate
2 Jim is on vacation
Jane has not responded
Present
3 View real-time status
Calendar server
Profiler server
PEPr
Respond
4 Reminder to Jane!

# Other PEPr Applications

- **Suspense tracking**
- **Training notification**
- **Polling, voting, and surveys**
- **Task status**
- **Virus software update notification**
- **Procurement status**
- **Interview reports**
- **Time card reporting**
- ***Any propose/response process***

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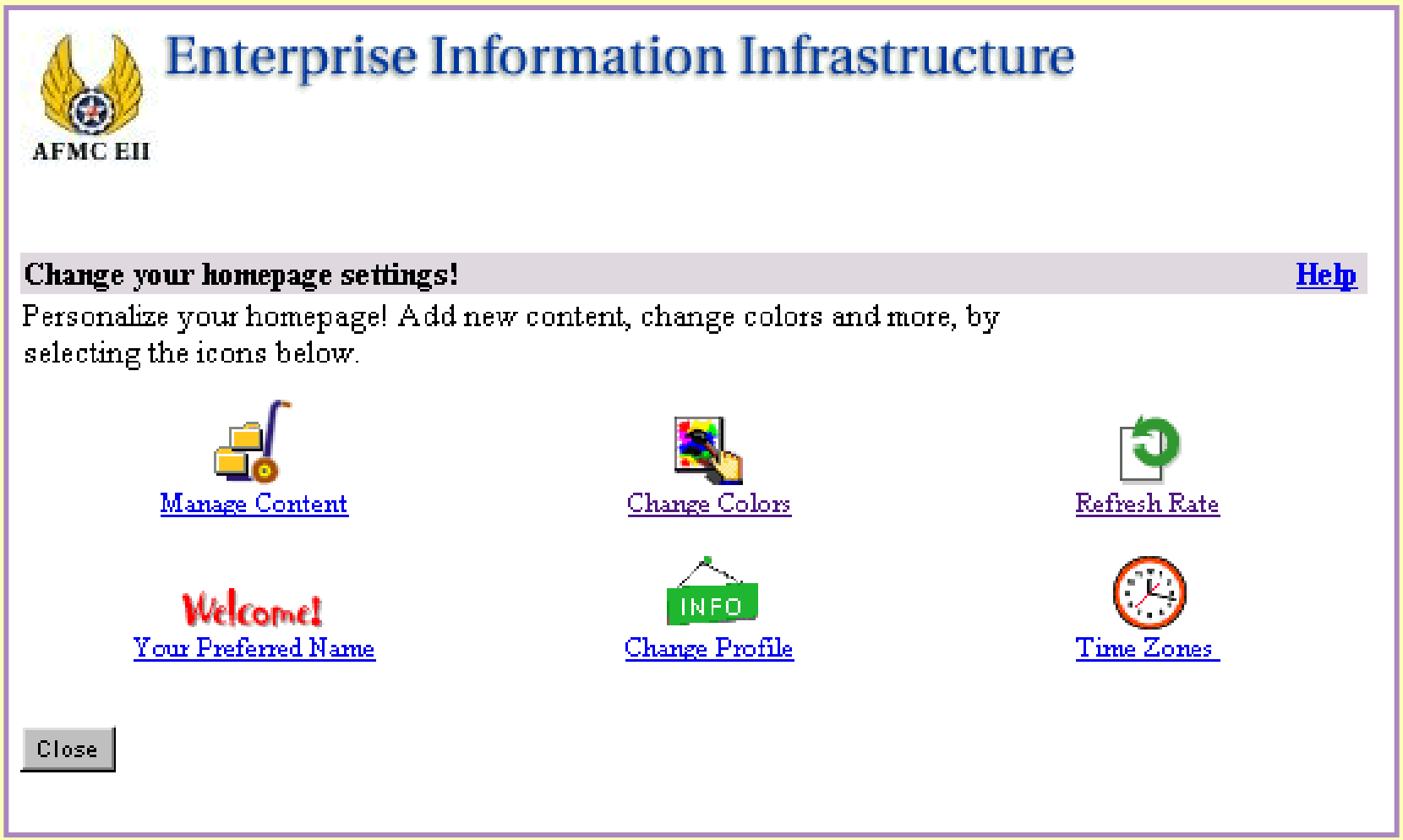
**October 12, 2000**

# Backup Slides

## EII Portal

# What you want… How you want it!



# Portal Customization Features

Color Schemes  Custom Colors

**1. Select custom colors**

Background Color:
Header Bar Color:
Header Text Color:
Text Color:
Link Color:
Visited Link Color:

**2. Preview: Custom Colors**

**Header Bar**
Text Color
Link Color
Visited Link Color

**Note**: To select custom colors, click on the colored bars. A preview of your color scheme will appear on the right.

Submit  Reset  Cancel

Custom Schemes  Custom Colors

**1. Select a color scheme**

- Red
- Yellow
- Purple
- Green
- Yellow Mix
- Gray Mix
- Lavendar
- Pink
- Lime Green
- Aqua
- Green Mix
- Brown Mix

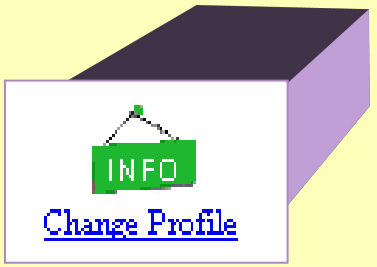
**2. Preview color scheme**

**Header Bar**
Text Color
Link Color
Visited Link Color

**Note**: If you want to decorate your start page with your own colors, go to Custom Colors on the next screen.

Submit  Reset  Cancel

# User Profiling




AFMC EII

## Enterprise Information Infrastructure

### New User Profile

Please review your profile information and make any necessary changes.

Official Name: sara.black

Preferred Name: Sara

Center: Aeronautical Systems Center

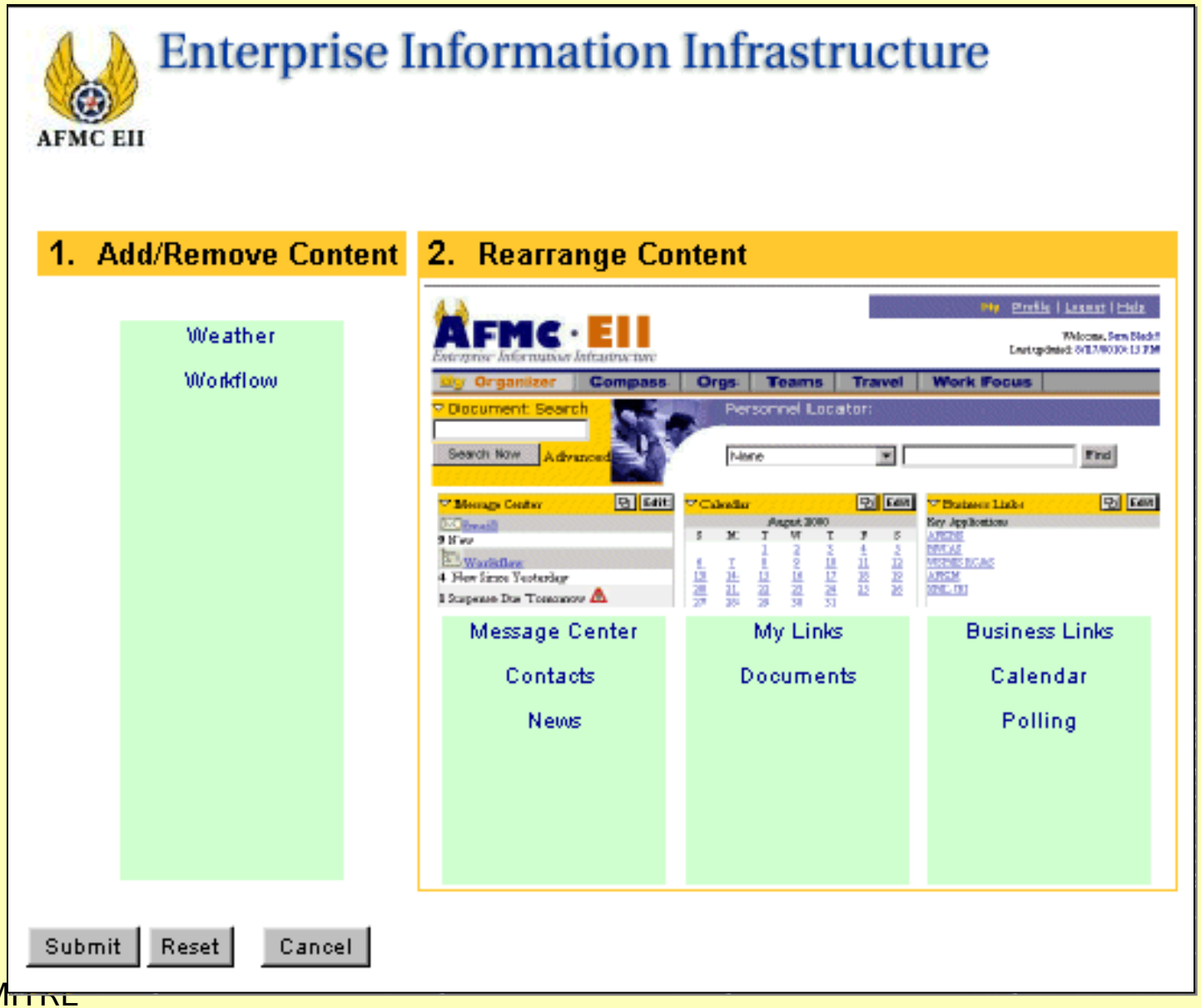
Base: Wright Patterson

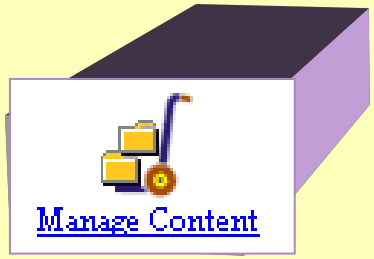
Business Area: PSBA

Work Focus: aeronautics Lookup

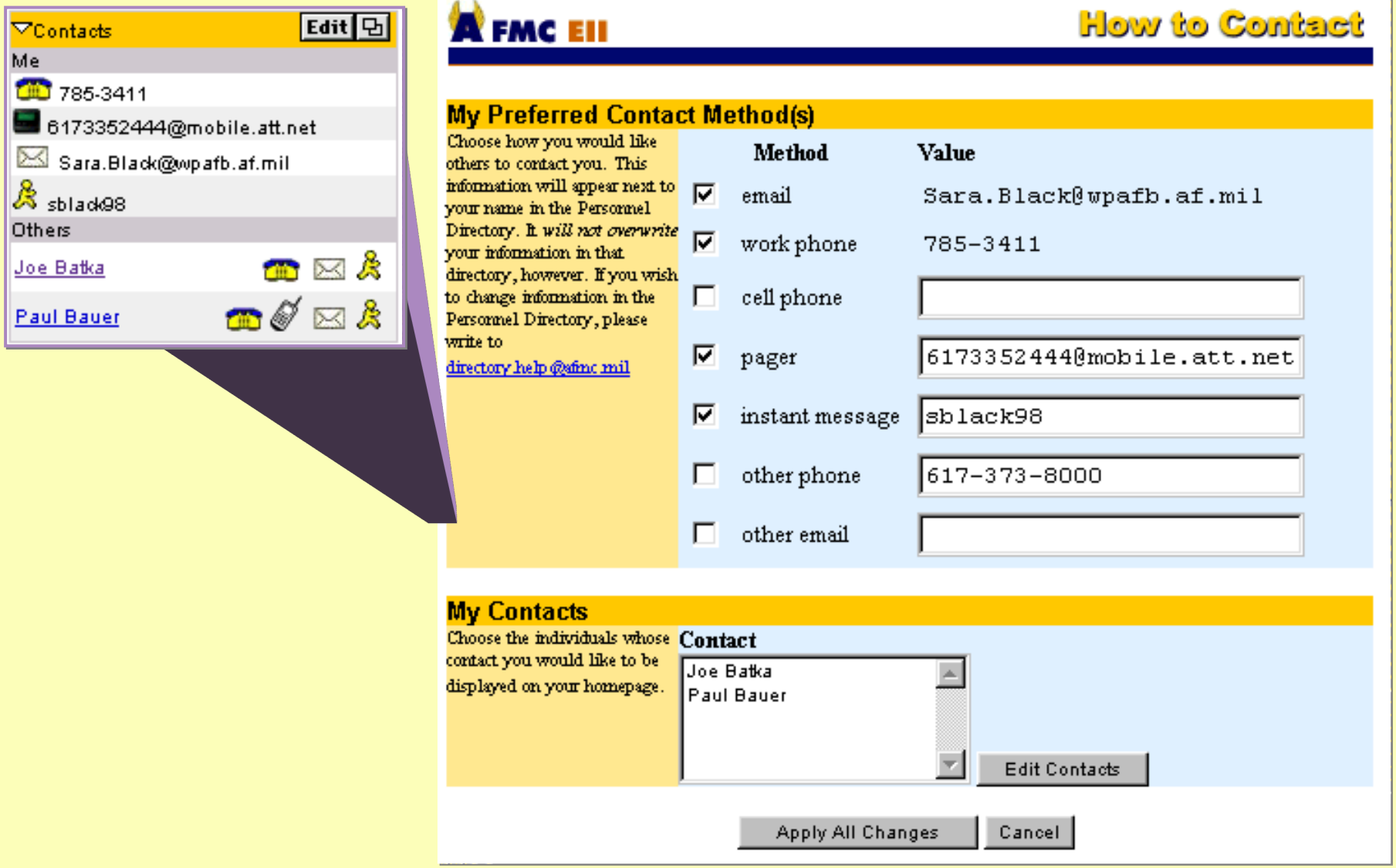
Submit Reset Cancel

# Service / Layout Manager

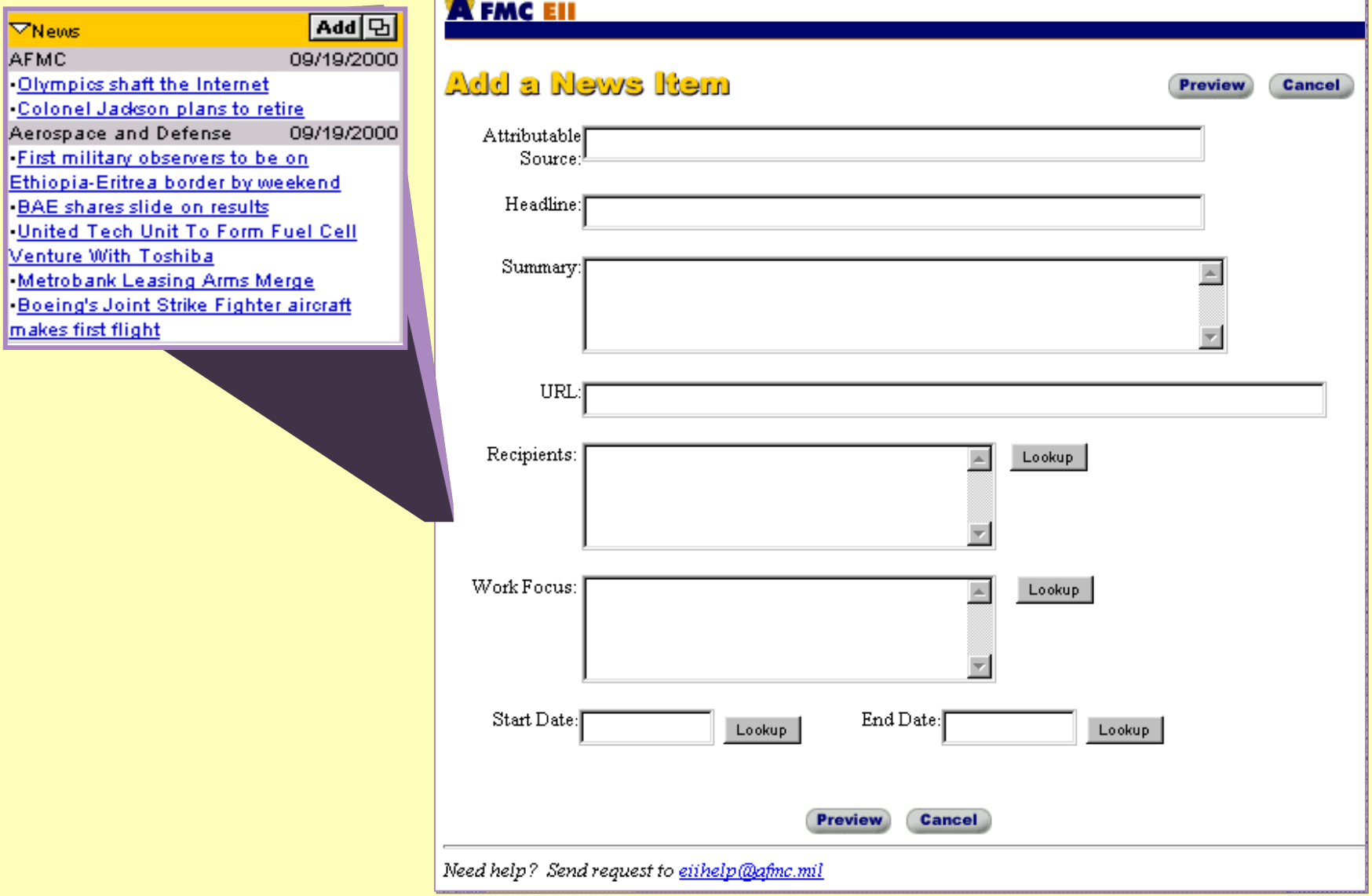


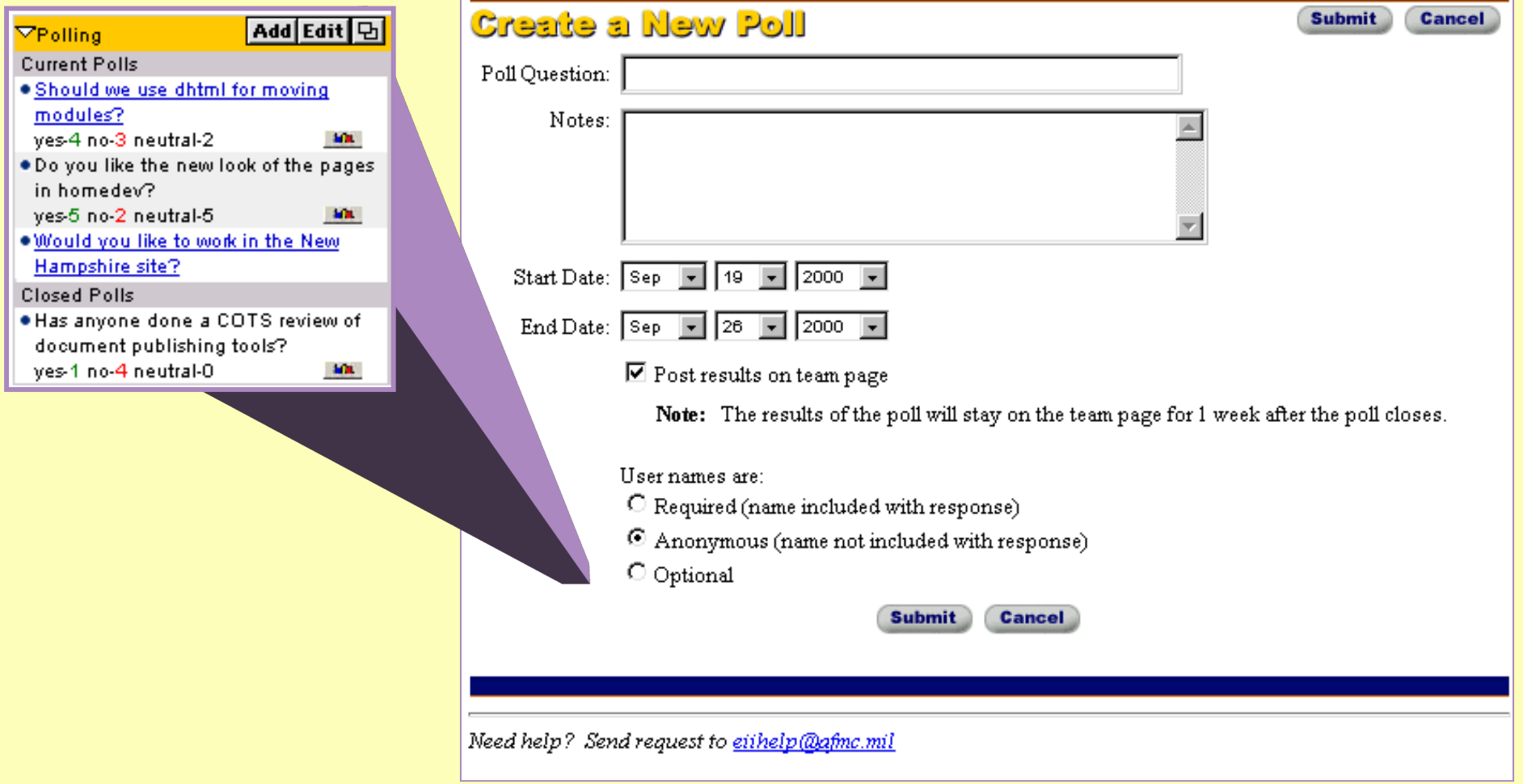
# How you want it!



# News Internal and External



# Polling Service



# Document Management